

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 3-29-06

DSR Number: DSR019-05-080R

Project Number: _____

NRCS Entry Only

Eligible: YES X NO _____

Approved: YES X NO _____

Funding Priority Number (from Section 4) 3 de

Limited Resource Area: YES _____ NO X

Section 1B Sponsor

Sponsor Name: Gravity Drainage District No 8 Ward One

Address: 2841 Goos Road

City/State/Zip: Moss Bluff, LA 70611

Telephone Number: 337 855-4388 Fax: _____

Section 1C Site Location Information

County: Calcasieu State: La Congressional District: _____

Latitude: 30.3189 Longitude: 93.1770 Section: 4 Township: 9s Range: 8w

UTM Coordinates: _____

Drainage Name: CFD1 Laterals CFD 1B, CFD 1C, and CFD 1D Reach: _____

Damage Description: Channel Debris

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

| Site Eligibility | YES | NO | Remarks |
|---------------------------------------------------------------------------------------------------------------|-----|----|-------------------------|
| Damage was a result of a natural disaster?* | X | | Hurricane Rita |
| Recovery measures would be for runoff retardation or soil erosion prevention?* | X | | |
| Threat to life and/or property?* | X | | Property |
| Event caused a sudden impairment in the watershed?* | X | | |
| Imminent threat was created by this event?*** | X | | Flood Water Retardation |
| For structural repairs, not repaired twice within ten years?*** | X | | |
| Site Defensibility | | | |
| Economic, environmental, and social documentation adequate to warrant action? (Go to pages 3, 4, 5 and 6 ***) | X | | |
| Proposed action technically viable? (Go to Page 9 ***) | X | | |

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES X NO _____

Comments: GDD is aware of situation _____

* Statutory

** Regulation

*** DSR Pages 3 through 6 and 9 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages. 1 of 14

Approved 7/2005

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Section 1E Proposed Action

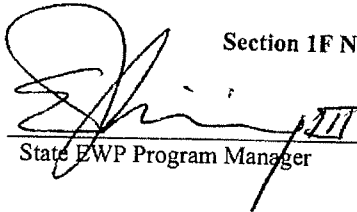
Describe the preferred alternative from Findings: Section 5 A:

Remove the storm deposited debris (trees, limbs, etc.) from within the channel using conventional equipment and accessing the channel from top bank. Removed debris will be disposed of by hauling to an approved disposal facility, chipping and depositing along the channel, or by burning where a burn permit is obtained.

Total installation cost identified in this DSR: Section 3: \$

Section 1F NRCS State Office Review and Approval

Reviewed By:


State EWP Program Manager

Date Reviewed:

4/5/06

Approved By:

State Conservationist

Date Approved:

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95-334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies, IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.)

Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write USDA, Director of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (800)795-3272 (voice) or (202)720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes; namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

DSR NO: 019-05-080R
Section 2 Environmental Evaluation

| 2A Resource Concerns | 2B Existing Condition | 2C Alternatives and Effects | | |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| | | Proposed Action | No Action | Alternative |
| | | Remove tree tops, tree trunks, tree root balls and other debris from one side of drainage system and haul offsite. | No removal of tree tops, tree trunks, tree root balls and other debris from drainage system. | Remove tree tops, tree trunks, tree root balls and other debris from both sides of drainage system. |
| | | 2D Effects of Alternatives | | |
| Soil | | | | |
| Bank erosion | 10 tons/acre | 5 tons/acre | 10 tons/acre | 5 tons/acre |
| Compaction | n/a | Slight increase due to equipment | n/a | Moderate increase due to equipment |
| Water | | | | |
| | | | | |
| Flooding | Property and homes upstream subject to flooding from blockages | Upstream flooding significantly reduced during peak rainfall events once debris is removed | Property and homes subject to continued flooding during rainfall events | Upstream flooding significantly reduced during peak rainfall events once debris is removed |
| Excessive sediments and turbidity | Stream flow is minimally impacted in various points along drainage system from sediment and existing root balls will increase turbidity | Removal of root balls will significantly reduce sediments entering into drainage system and reduce scouring effects | Sedimentation and turbidity will increase due to scouring | Removal of root balls will significantly reduce sediments entering into drainage system and reduce scouring effects |
| Stream health (SVAP) | 4.5 (Poor) | 5.2 (Poor) | 4.5 (Poor) | 5.2 (Poor) |
| Air | | | | |
| Particulate matter | n/a | Dry conditions will increase moderately with use of equipment | n/a | Dry conditions will increase moderately with use of equipment |
| Plant | | | | |
| Plant health | Moderate decrease due to increase of debris | Removal of moderate debris will reduce plant suppression and increase diversity of species. | Plant health will be suppressed until abundant debris decays. | Removal of moderate debris to increase plant health will increase diversity of species. |
| Riparian Area | Moderate damage has occurred through loss of large trees | Removal of debris will allow for moderate increase in re-vegetative processes | Invasive species are present and may become predominate, causing impacts on benefits of buffer | Removal of debris will moderately increase benefits of buffer |
| Animal | | | | |
| Aquatic life | Increased debris has caused stagnant water pools and traditional patterns have been interrupted | Removal of moderate debris will increase natural conditions | Stagnant water pools may cause significant accumulation of undesirable aquatic species. | Removal of moderate debris will increase flowage and recreate natural conditions |
| Small animals | Loss of large cavity trees as cover and source of food | Removal of suppressional debris will significantly increase escape cover by increasing understory growth and development of seed sources | Slow regeneration | Removal of suppressional debris will significantly increase enhancement and development of seed sources in an efficient period of time. |
| Other | | | | |
| Human | Entanglement of large trees, tree tops, and tree root balls. | Safety factor of children will be significantly increased due to adjoining home sites | Safety issue | Safety factor of children will be significantly increased due to adjoining home sites |
| Aesthetics | Entanglement of unsightly clutter of tops, logs, and root balls | Significantly increase through removal of trees and debris | Cause more unsightly conditions through accelerated growth of vines and brambles | Significantly increase through removal of trees and debris |

Section 2E Special Environmental Concerns

| Resource Consideration | Existing Condition | Alternatives and Effects | | |
|------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| | | Proposed Action | No Action | Alternative |
| Clean Water Act Waters of the U.S. | CWA jurisdiction-poor water quality | CWA permit required-improve water quality and restore hydrology (Water Quality Cert.) | Poor water quality | CWA permit required-improve water quality and restore hydrology (Water Quality Cert.) |
| Coastal Zone Management Areas | N/A | N/A | N/A | N/A |
| Coral Reefs | N/A | N/A | N/A | N/A |
| Cultural Resources | (FOTG) None observed on site | (FOTG) None observed on site | (FOTG) None observed on site | (FOTG) None observed on site |
| Endangered and Threatened Species | (FOTG) Federal/State list none observed on site | (FOTG) Federal/State list none observed on site | (FOTG) Federal/State list none observed on site | (FOTG) Federal/State list none observed on site |
| Environmental Justice | N/A | N/A | N/A | N/A |
| Essential Fish Habitat | (FOTG) No EFH | (FOTG) No EFH | (FOTG) No EFH | (FOTG) No EFH |
| Fish and Wildlife Coordination | No drainage modification required; therefore, consultation not required for debris removal | State level review by project type with USFWS & LDWF; consultation not required | No drainage modification required; therefore, consultation not required for debris removal | State level review by project type with USFWS & LDWF; consultation not required |
| Floodplain Management | 100-year floodplain function is impaired | 100-year floodplain function is restored | 100-year floodplain function is impaired | 100-year floodplain function is restored |
| Invasive Species | Chinese tallow trees, yaupon, and Japanese privet along drainage system | Creation of openings may enhance spread of undesirables but will increase control opportunities | Chinese tallow trees, yaupon, and Japanese privet along drainage system | Creation of openings may enhance spread of undesirables but will increase control opportunities |
| Migratory Birds | Food and cover quality reduced | Food and cover quality improved | Food and cover quality reduced | Food and cover quality improved |
| Natural Areas | N/A | N/A | N/A | N/A |
| Prime and Unique Farmlands | Designated urban use | Designated urban use | Designated urban use | Designated urban use |
| Riparian Areas | Area impacted by flooding due to moderate debris accumulation | Area improved through debris removal | Area impacted by flooding due to moderate debris accumulation | Area improved through debris removal |
| Scenic Beauty | Impaired by moderate amount of debris | Restored when debris is removed | Impaired by moderate amount of debris | Restored when debris is removed |
| Wetlands | Debris will cause increased flooding impacting wetland functions and degrading existing vegetation | Removal of debris will improve wetland function and protect upland vegetation from flooding | Debris will cause increased flooding impacting wetland functions and degrading existing vegetation | Removal of debris will improve wetland function and protect upland vegetation from flooding |
| Wild and Scenic Rivers | N/A | N/A | N/A | N/A |

Completed By: Rick AdamsDate: March 25, 2006

DSR NO: _DSR019-05-080R

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

| | Future Damages (\$) | Damage Factor (%) | Near Term Damage Reduction |
|--------------------------------------------|---------------------|-------------------|----------------------------|
| Properties Protected (Private) | | | |
| 9 Homes | \$1,130,948 | .2 | \$228,815 |
| | | | |
| | | | |
| | | | |
| Properties Protected (Public) | | | |
| 48" Culvert –Charriott Rd | \$3,000 | .25 | \$750 |
| 48" Culvert –Campfire Rd | \$3,000 | .25 | \$750 |
| 72" Culvert-Campfire Rd | \$4,500 | .25 | \$1,125 |
| | | | |
| Business Losses | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Other | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Total Near Term Damage | | | \$231,440.00 |
| Positive Economic Impact of Project | | | \$ |

Completed By: _H McDaniel_____

Date: 3-29-06

Section 2G Social Consideration

This section must be completed by each alternative considered (attach additional sheets as necessary).

| | YES | NO | Remarks |
|---------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------|
| Has there been a loss of life as a result of the watershed impairment? | | X | |
| Is there the potential for loss of life due to damages from the watershed impairment? | X | | Emergency response time could be affected |
| Has access to a hospital or medical facility been impaired by watershed impairment? | | X | |
| Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity) | X | | |
| Is there a lack or has there been a reduction of public safety due to watershed impairment? | X | | Emergency response time could be affected. Standing water due to clogged drains increase insect population and pose threat hazard |

Completed By: _H McDaniel

3-52-06`

Date: _____

Section 2H Group Representation and Disability Information**This section is completed only for the preferred alternative selected.**

| Group Representation | Number | | |
|------------------------------------------------------|--------|-------|----|
| American Indian/Alaska Native Female Hispanic | | | |
| American Indian/Alaska Native Female Non-Hispanic | | | |
| American Indian/Alaska Native Male Hispanic | | | |
| American Indian/Alaska Native Male Non-Hispanic | | | |
| Asian Female Hispanic | | | |
| Asian Female Non-Hispanic | 3 | 7.67% | 0 |
| Asian Male Hispanic | | | |
| Asian Male Non-Hispanic | 2 | 7.67% | 0 |
| Black or African American Female Hispanic | | | |
| Black or African American Female Non-Hispanic | | | |
| Black or African American Male Hispanic | | | |
| Black or African American Male Non-Hispanic | | | |
| Hawaiian Native/Pacific Islander Female Hispanic | | | |
| Hawaiian Native/Pacific Islander Female Non-Hispanic | | | |
| Hawaiian Native/Pacific Islander Male Hispanic | | | |
| Hawaiian Native/Pacific Islander Male Non-Hispanic | | | |
| White Female Hispanic | | | |
| White Female Non-Hispanic | 176 | 7.67% | 14 |
| White Male Hispanic | | | |
| White Male Non-Hispanic | 191 | 7.67% | 15 |
| Total Group | 372 | 7.67% | 29 |

There are a total of 117 households in this block with a total of 372 people =3.18 people per household. Of the 117 households in the block 9 Households are effected= 117 divided by 9 = 7.69% of total

If Campfire Road is flooded this would affect access by several other housdholds since Campfire servers as a major thoroughfare.

Census tract(s) 22.04 Block 2002

Completed By: _H McDaniel_____ Date: _3-29-06_____

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Sponsor will secure all easements and permission to access work areas along drainage system on private lands.

U.S. Army Corps of Engineers 404 permit will be required where applicable.

CWA and water quality certification by be required for grubbing of stumps.

Mitigation Description:

Work will be performed from one side of the channel only as described in engineering report.

Debris will be disposed of in an approved land fill site.

Removal or chipping debris from drainage system will improve water quality.

Agencies, persons, and references consulted, or to be consulted:

U.S. Army Corps of Engineers

Louisiana Department of Environmental Quality

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application
(see instructions on page 10).

| Priority Ranking Criteria | Yes | No | | Ranking Number Plus Modifier |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|------------------------------|
| 1. Is this an exigency situation? | | X | | |
| 2. Is this a site where there is serious, but not immediate threat to human life? | | X | | |
| 3. Is this a site where buildings, utilities, or other important infrastructure components are threatened? | X | | | 3-d,e |
| 4. Is this site a funding priority established by the NRCS Chief? | | X | | |
| The following are modifiers for the above criteria | | | Modifier | |
| a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat? | | | | |
| b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places? | | | | |
| c. Will the proposed action or alternatives protect or conserve prime or important farmland? | | | | |
| d. Will the proposed action or alternatives protect or conserve existing wetlands? | | | Y | |
| e. Will the proposed action or alternatives maintain or improve current water quality conditions? | | | Y | |
| f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats? | | | | |

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

THE PROPOSED ACTION IS THE PREFERRED ALTERNATIVE, THIS ACTION IS THE LEAST COSTLY ALTERNATIVE THAT ACHIEVE THE RESTORATION OBJECTIVES, ~~MAINTAINS~~ MAXIMIZES ENVIRONMENTAL BENEFITS, AND IS SOCIALLY ACCEPTABLE.

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

 X has been sufficiently analyzed in the EWP PEIS (reference all that apply)

Chapter 5.2.2.1.2

Chapter _____

Chapter _____

Chapter _____

Chapter _____

 May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: _____ Date: _____

Section 5B Comments:

Section 5C

Sponsor Concurrence: 

Sponsor Representative

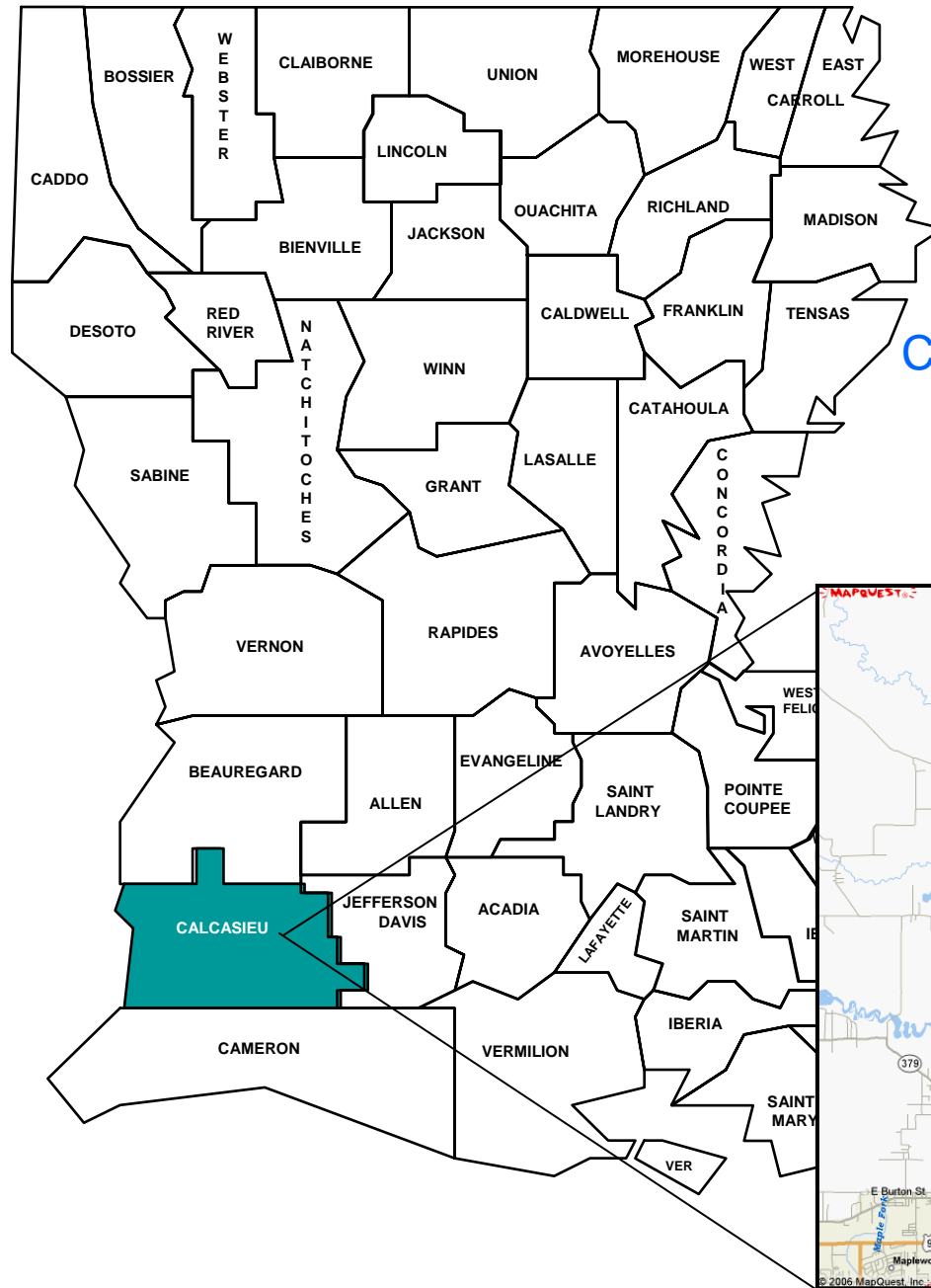
Title: FOREMAN Date: 4-5-06

Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

SECTION 6

ATTACHMENTS

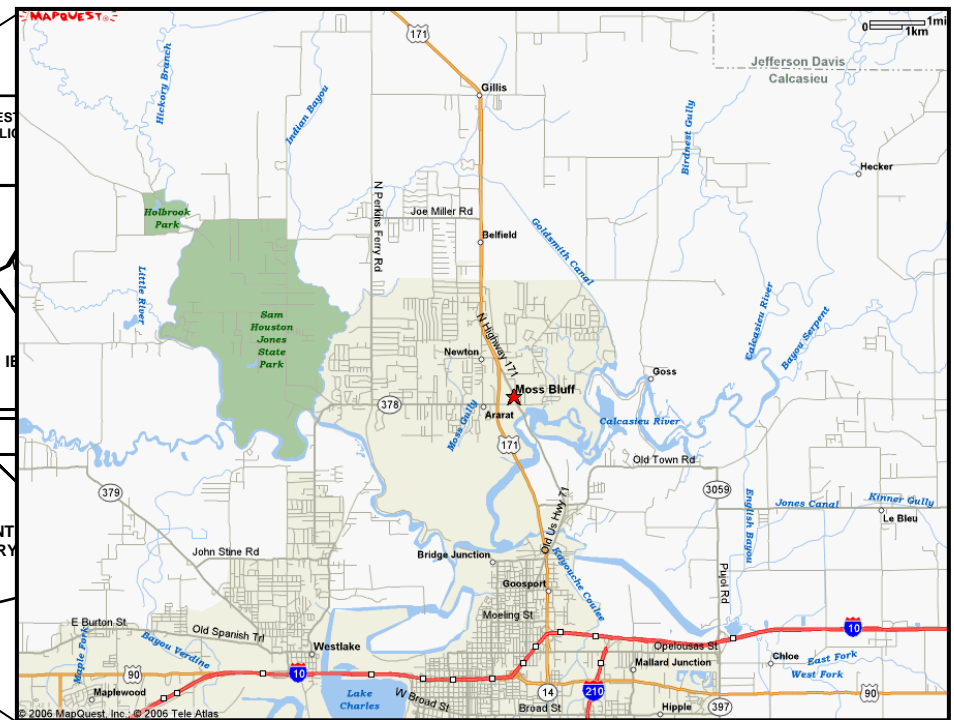


Vicinity Location Map

Calcasieu Parish

DSR# 019-05-080R

Campfire Bayou Laterals 1B, 1C, & 1D

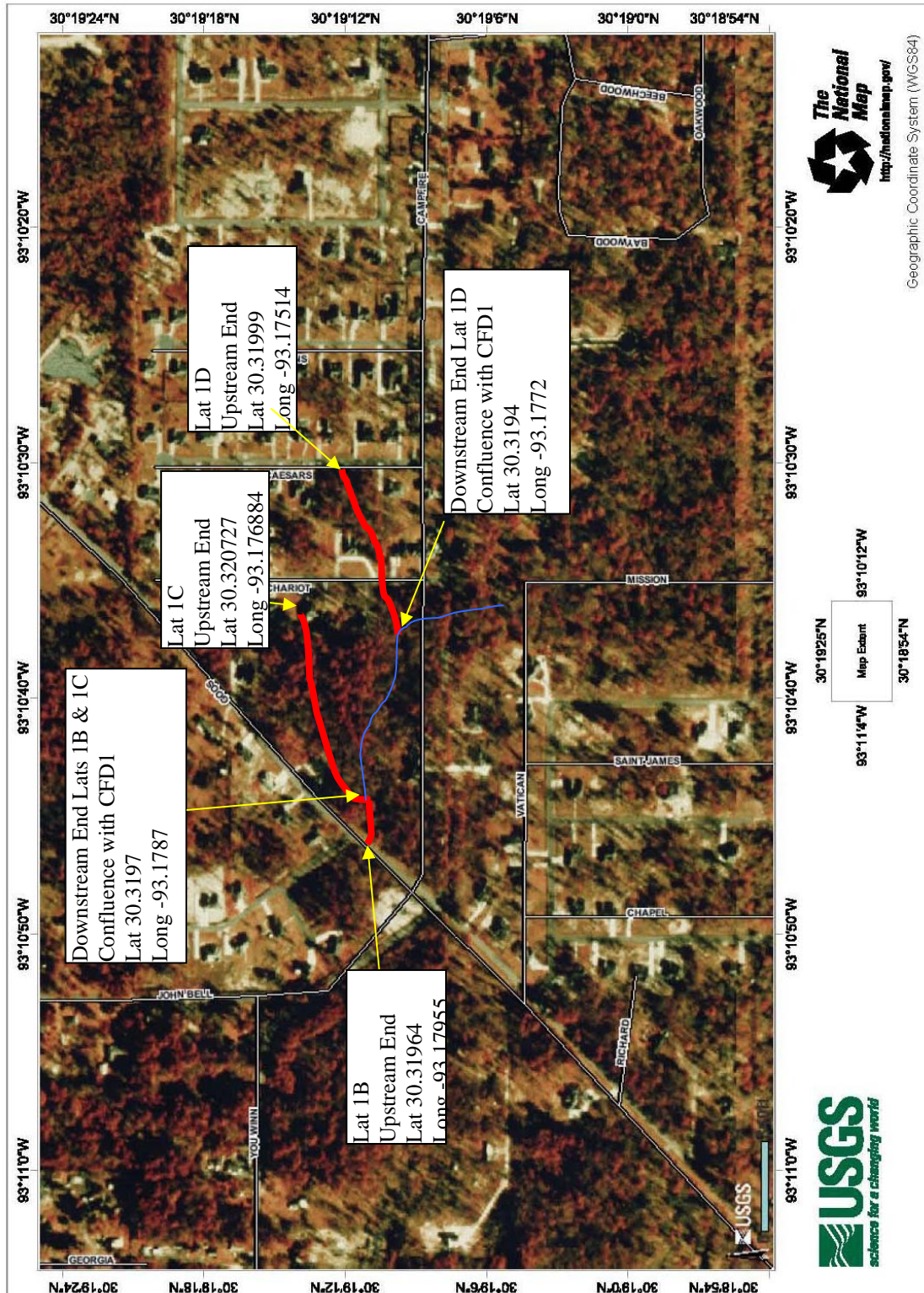


SITE MAP

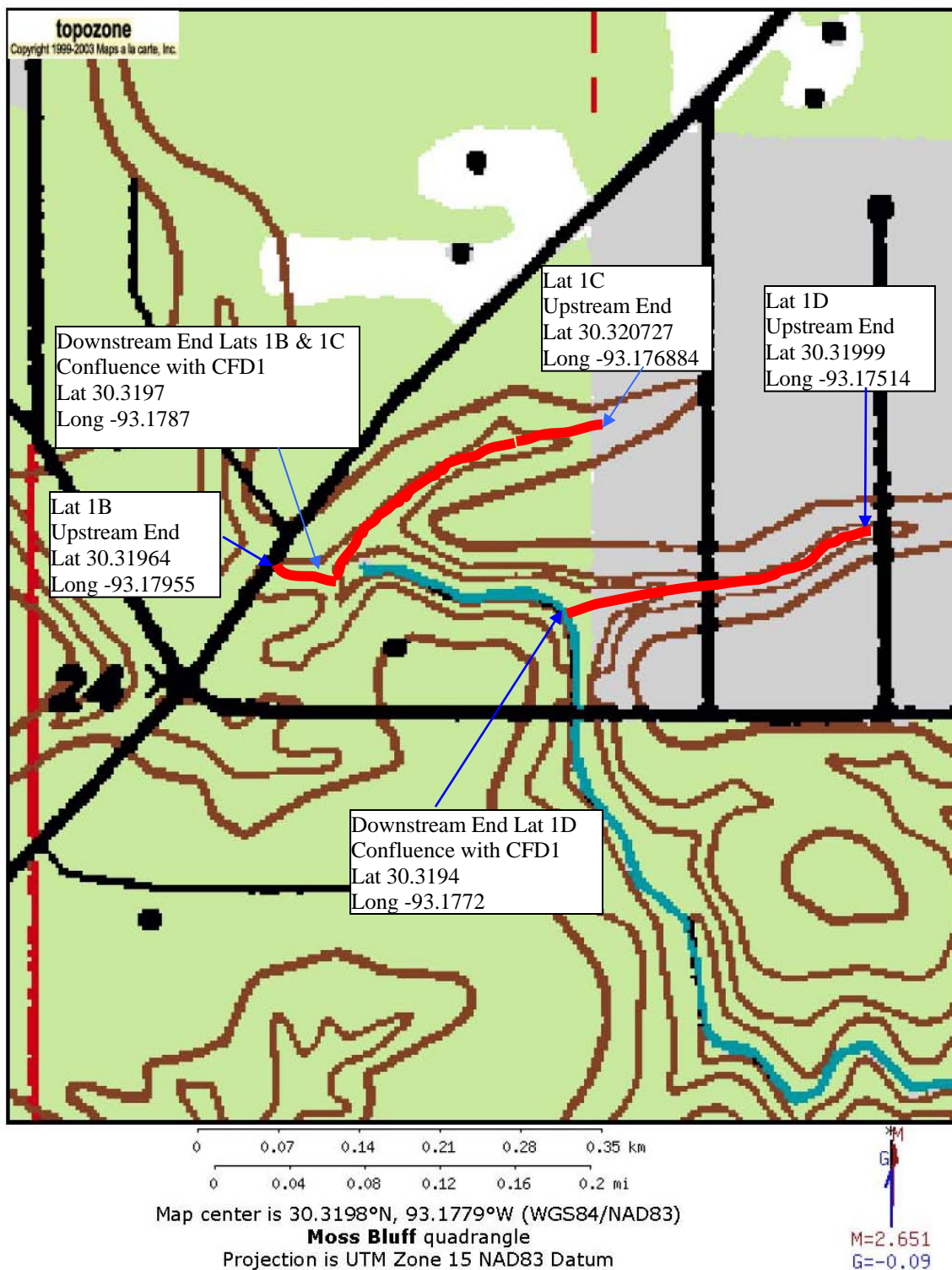
DSR 019-05-080R

Campfire Drive Bayou Laterals 1B, 1C, & 1D

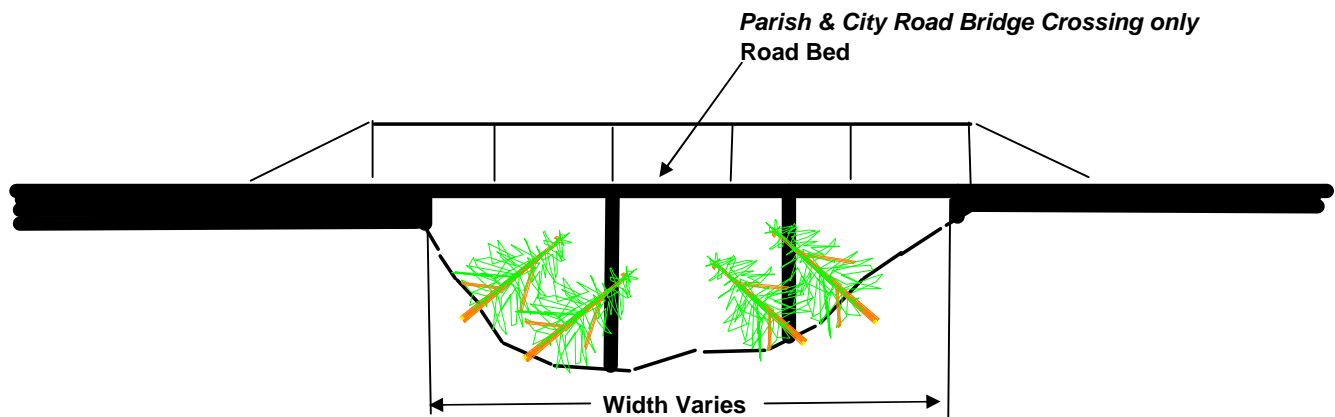
Calcasieu Parish



TOPO MAP
DSR 019-05-080R
Campfire Drive Bayou & Laterals
Calcasieu Parish



Debris Removal



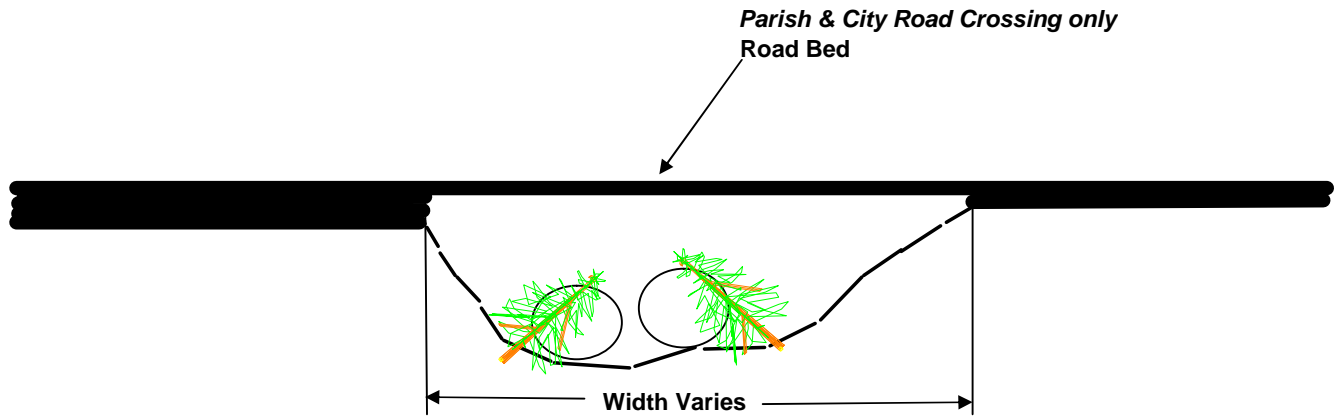
Note: Contract is to remove Debris from upstream and downstream Bridge which includes underside of bridge

Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Bridge Crossing Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

Debris Removal



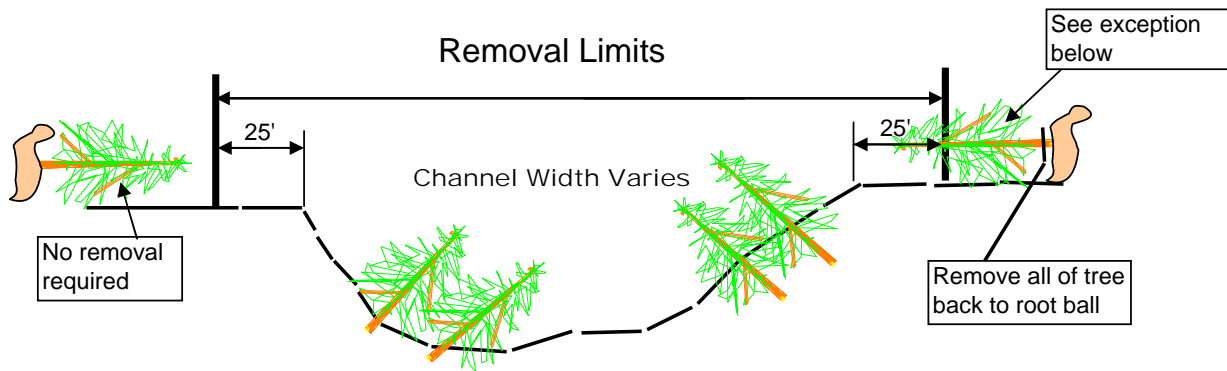
Note: Contract is to remove Debris from upstream and downstream Culverts which includes inside of culverts

Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Culvert type Crossing Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

Debris Removal



Typical Section Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

***Note :** Access and work both sides; however work to be performed on one side only in any reach as concurred in by COTR.

Exception it may be possible that trees which were located outside of the the removal limits may have fallen into the removal limits, the entire tree will be removed back to the root ball even if only a portion of the tree is within the removal limits

Channel Obstruction Evaluation

| SITE INFORMATION | |
|--------------------------------------------|----------------------------------------------------------------|
| Parish: Calcasieu | Site: CFD-1, 1B, 1C, & 1D |
| City: Moss Bluff | |
| Sponsor: GDD # 8 Ward # 1 | Reach: CFD 1-1 to CFD 1-28, CFD 1-30 to CFD 1-34 |
| Date: 3/24/06 | CFD 1B1 to CFD 1B3, CFD 1C4 to CFD 1C2, and CFD 1D1 to CFD 1D6 |
| Evaluation Team: McDaniel, Adams, & Garner | |

| PHOTO NUMBERS AND BRIEF DESCRIPTION | | WAYPOINTS | |
|-------------------------------------|-------------|-------------------------------------------------|---------------------------|
| | | (CIRCLE location and record in Decimal Degrees) | |
| Photo # | Description | Start Work (D/S end) | 30.31898243, -93.17735394 |
| | | Midstream | |
| | | End Work (U/S end) | 30.31874145, -93.17990857 |

| NEARBY AND UPSTREAM STRUCTURES | | | |
|--------------------------------------|--|--------------------------|-----------|
| (Fill in Numbers, Values, and Size) | | | |
| CHURCHES | | SCHOOLS | |
| No. of Churches | | No. of Schools | |
| HOMESITES | | PUBLIC FACILITIES | |
| No. of Homesites | | No. of Public Facilities | |
| BUSINESSES | | BUSINESSES | |
| Average Value of Homes (X \$1,000) | | No. of Businesses | |
| | | Size of Businesses | S M L |

| STREAM CROSSINGS | | |
|---------------------------------------------------|-----------------|-----------------------------------------------------|
| (CIRCLE type and write material, size and length) | | |
| TYPE | MATERIAL | NUMBER, SIZE, & LENGTH |
| Bridge | | |
| Culverts | Reinf. Concrete | 1, 48 Inch RCP under Campfire Drive approx. 30 l.f. |
| Other or None | | |

| UTILITIES | | | |
|---------------------------------------------------------------------------------|-------------------------------------------|-----|-----|
| (CHECK the location of the utilities in the area and CIRCLE stream orientation) | | | |
| X | Overhead (Power, Cable, etc.) | U/S | D/S |
| X | Buried (Gas, Sewer, water, etc.) | U/S | D/S |
| | Elevated Cross channel (Water, Gas, etc.) | U/S | D/S |
| Remarks: | | | |

| CHANNEL CHARACTERISTICS | | | | FLOW | |
|----------------------------------------------------------------------|-----------------------------|--------------------|----|----------------------------------------------|----|
| (CHECK appropriate box for slope and fill in dimensions information) | | | | | |
| SLOPES | | DIMENSIONS | | Is Water Flowing? | |
| | 1.5 : 1 or steeper | Top Width (ft.) | 40 | YES | NO |
| X | 1.5 : 1 through 3 : 1 Slope | Bottom Width (ft.) | 6 | Is debris accumulating? (i.e. Leaves, Trash) | |
| | Flatter than 3 : 1 | Depth (ft.) | 8 | YES | NO |

| STATEMENT OF PROBLEM | | | | | |
|-------------------------------------------------------------------------|------------|----------------|--------------------------|--|----------------------------|
| (CHECK the boxes as needed, and CIRCLE the size of debris that applies) | | | | | |
| DEBRIS | IN CHANNEL | ACROSS CHANNEL | SIZE OF DEBRIS | | BLOCKAGE |
| | | | | | % of X-Section Obstructed: |
| Pine Trees | X | X | Light Moderate Heavy | | Less than 25% 26%-50% |
| Hardwoods | X | X | | | 51%-75% 76%-100% |
| Shrubs | | | | | |
| Other (explain) | | | | | |

| WORK METHOD AND LOCATION | |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| (CHECK the box that best applies) | |
| | Within Channel Floating Equipment (i.e. Barge or Marsh Buggy) |
| X | Within Channel Non - Floating Equipment (Excavator/Track-hoe, Spider, etc) |
| X | From Top Banks |
| ACCESS TO SITE | |
| (Explain access issues and possible difficulties) | |
| Once access is attained from edge of subdivision it would be best to remain in the flood plain and work through to roadway. | |